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TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 3 OCT 07 EPFULL enhanced with full implementation of EPC2000
NEWS 4 OCT 07 Multiple databases enhanced for more flexible patent
number searching
NEWS 5 OCT 22 Current-awareness alert (SDI) setup and editing
enhanced
NEWS 6 OCT 22 WPIDS, WPINDEX, and WPIX enhanced with Canadian PCT
Applications
NEWS 7 OCT 24 CHEMLIST enhanced with intermediate list of
pre-registered REACH substances
NEWS 8 NOV 21 CAS patent coverage to include exemplified prophetic
substances identified in English-, French-, German-,
and Japanese-language basic patents from 2004-present
NEWS 9 NOV 26 MARPAT enhanced with FSORT command
NEWS 10 NOV 26 MEDLINE year-end processing temporarily halts
availability of new fully-indexed citations
NEWS 11 NOV 26 CHEMSAFE now available on STN Easy
NEWS 12 NOV 26 Two new SET commands increase convenience of STN
searching
NEWS 13 DEC 01 ChemPort single article sales feature unavailable

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that
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***** STN Columbus *****

FILE 'HOME' ENTERED AT 14:24:35 ON 10 DEC 2008

=> file caplus
COST IN U.S. DOLLARS
FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FILE 'CAPLUS' ENTERED AT 14:24:51 ON 10 DEC 2008
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FILE COVERS 1907 - 10 Dec 2008 VOL 149 ISS 24
FILE LAST UPDATED: 9 Dec 2008 (20081209/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/legal/infopolicy.html>

```
=> s US20060034893A1/pn
L1          1 US20060034893A1/PN
            (US20060034893/PN)
```

```
=> sel rn
E1 THROUGH E2 ASSIGNED
```

```
=> sile reg
SILE IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).
```

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=> file reg
COST IN U.S. DOLLARS                SINCE FILE      TOTAL
                                   ENTRY      SESSION
FULL ESTIMATED COST                4.61          4.82
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FILE 'REGISTRY' ENTERED AT 14:27:56 ON 10 DEC 2008
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 9 DEC 2008 HIGHEST RN 1082653-47-1
DICTIONARY FILE UPDATES: 9 DEC 2008 HIGHEST RN 1082653-47-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

Please note that search-term pricing does apply when

conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

=> s el-e2

1 520-26-3/BI
(520-26-3/RN)

1 7440-70-2/BI
(7440-70-2/RN)

L2 2 (520-26-3/BI OR 7440-70-2/BI)

=> d scan

L2 2 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Calcium
MF Ca
CI COM

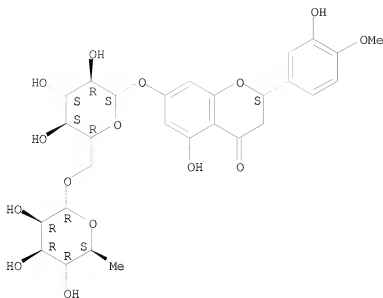
Ca

****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L2 2 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 4H-1-Benzopyran-4-one, 7-[[6-O-(6-deoxy- α -L-mannopyranosyl)- β -D-glucopyranosyl]oxy]-2,3-dihydro-5-hydroxy-2-(3-hydroxy-4-methoxyphenyl)-,
(2S)-
MF C28 H34 O15
CI COM

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> s 7440-70-2/rn

L3 1 7440-70-2/RN

=> d 13

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2008 ACS on STN

RN 7440-70-2 REGISTRY

ED Entered STN: 16 Nov 1984

CN Calcium (CA INDEX NAME)

OTHER NAMES:

CN Atomic calcium

CN Blood-coagulation factor IV

CN Calcium atom

CN Calcium element

CN Praval

DR 8047-59-4

MF Ca

CI COM

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BIOSIS, BIOTECHNO, CA, CABA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPAT, ENCOMPAT2, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, PIRA, PROMT, RTECS*, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL, VETU

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)

Ca

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

414875 REFERENCES IN FILE CA (1907 TO DATE)
9854 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
415504 REFERENCES IN FILE CAPLUS (1907 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> s 520-26-3/rn

L4 1 520-26-3/RN

=> d 14

L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2008 ACS on STN

RN 520-26-3 REGISTRY

ED Entered STN: 16 Nov 1984

CN 4H-1-Benzopyran-4-one, 7-[[6-O-(6-deoxy- α -L-mannopyranosyl)- β -D-glucopyranosyl]oxy]-2,3-dihydro-5-hydroxy-2-(3-hydroxy-4-methoxyphenyl)-, (2S)- (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 4H-1-Benzopyran-4-one, 7-[[6-O-(6-deoxy- α -L-mannopyranosyl)- β -D-glucopyranosyl]oxy]-2,3-dihydro-5-hydroxy-2-(3-hydroxy-4-methoxyphenyl)-, (S)-

CN Flavanone, 3',5,7-trihydroxy-4'-methoxy-, 7-(6-O- α -L-rhamnosyl-D-glucoside) (7CI)

CN Hesperidin (8CI)

OTHER NAMES:

CN (2S)-Hesperidin

CN Atripliside B

CN Cirantin

CN Hesperetin 7-rhamnoglucoside

CN Hesperetin 7-rutinoside

CN Hesperidine

CN Hesperidoside

CN NSC 44184

FS STEREOSEARCH

DR 960582-50-7, 16643-24-6, 17654-22-7, 15512-51-3, 28283-75-2, 30927-97-0, 32737-61-4, 106904-63-6

MF C28 H34 O15

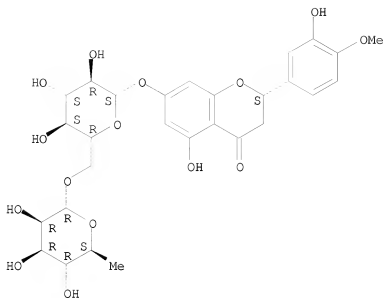
CI COM

LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CABA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, DDFU, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, NAPRALERT, PROMT, PS, RTECS*, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL, USPATOLD
(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2357 REFERENCES IN FILE CA (1907 TO DATE)
 115 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 2372 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

5.84

10.66

FILE 'CAPLUS' ENTERED AT 14:30:15 ON 10 DEC 2008

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FILE COVERS 1907 - 10 Dec 2008 VOL 149 ISS 24

FILE LAST UPDATED: 9 Dec 2008 (20081209/ED)

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Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

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```
=> s l4
L5      2372 L4

=> s l4 and bone or osteoporosis
      2372 L4
      239516 BONE
      24171 OSTEOPOROSIS
L6      24193 L4 AND BONE OR OSTEOPOROSIS

=> s l6 and py<2003
      22961967 PY<2003
L7      11637 L6 AND PY<2003

=> s l7 and heperidin
      3 HEPERIDIN
L8      0 L7 AND HEPERIDIN

=> s hesperidin
L9      2669 HESPERIDIN

=> s l9 and bone or osteoporosis
      239516 BONE
      24171 OSTEOPOROSIS
L10     24193 L9 AND BONE OR OSTEOPOROSIS

=> s l10 and py<2003
      22961967 PY<2003
L11     11637 L10 AND PY<2003

=> s l10 and py<2001
      21007152 PY<2001
L12     8328 L10 AND PY<2001

=> s l9 and treat osteoporosis
      91451 TREAT
      24171 OSTEOPOROSIS
      208 TREAT OSTEOPOROSIS
          (TREAT(W)OSTEOPOROSIS)
L13     0 L9 AND TREAT OSTEOPOROSIS

=> s l9 and treat w/ osteoporosis
MISSING OPERATOR

=> s l9 and treat w/osteoporosis
'OSTEOPOROSIS' IS NOT A VALID FIELD CODE
      0 TREAT W/OSTEOPOROSIS
L14     0 L9 AND TREAT W/OSTEOPOROSIS

=> s l9 and treat and osteoporosis
      91451 TREAT
      24171 OSTEOPOROSIS
L15     1 L9 AND TREAT AND OSTEOPOROSIS

=> d l15 iibib abs hitstr
'IIBIB' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'
```

The following are valid formats:

ABS ----- GI and AB

ALL ----- BIB, AB, IND, RE
 APPS ----- AI, PRAI
 BIB ----- AN, plus Bibliographic Data and PI table (default)
 CAN ----- List of CA abstract numbers without answer numbers
 CBIB ----- AN, plus Compressed Bibliographic Data
 CLASS ----- IPC, NCL, ECLA, FTERM
 DALL ----- ALL, delimited (end of each field identified)
 DMAX ----- MAX, delimited for post-processing
 FAM ----- AN, PI and PRAI in table, plus Patent Family data
 FBIB ----- AN, BIB, plus Patent FAM
 IND ----- Indexing data
 IPC ----- International Patent Classifications
 MAX ----- ALL, plus Patent FAM, RE
 PATS ----- PI, SO
 SAM ----- CC, SX, TI, ST, IT
 SCAN ----- CC, SX, TI, ST, IT (random display, no answer numbers;
 SCAN must be entered on the same line as the DISPLAY,
 e.g., D SCAN or DISPLAY SCAN)
 STD ----- BIB, CLASS

 IABS ----- ABS, indented with text labels
 IALL ----- ALL, indented with text labels
 IBIB ----- BIB, indented with text labels
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 OBIB ----- AN, plus Bibliographic Data (original)
 OIBIB ----- OBIB, indented with text labels

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 SIBIB ----- IBIB, no citations

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 HITSEQ ----- HIT RN, its text modification, its CA index name, its
 structure diagram, plus NTE and SEQ fields
 FHITSTR ----- First HIT RN, its text modification, its CA index name, and
 its structure diagram
 FHITSEQ ----- First HIT RN, its text modification, its CA index name, its
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 KWIC ----- Hit term plus 20 words on either side
 OCC ----- Number of occurrence of hit term and field in which it occurs

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ENTER DISPLAY FORMAT (BIB):
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AB The present invention includes compns. and methods for the treatment and prevention of oral mucosal disorders and for promotion of bone health. In particular, the present invention describes new therapeutic and preventative uses for 3,3'-diindolylmethane (DIM), or a DIM-related indole, alone or in combination with anti-inflammatory agents and/or antibacterial agents, to treat oral mucosal disorders and promote bone health. The compns. of the invention are used to prevent and reverse oral mucosal disorders and bone loss (osteopenia and osteoporosis) associated with aging and chronic inflammation. Oral mucosal disorders include Periodontitis, gingivitis and related oral mucosal inflammation. Formulations of the compns. of the invention include capsules, tablets, toothpastes, oral gels, mouthwashes, mouth rinses, lozenges, chewing gum, dental floss, and dental topical formulations, and fortified foods. Capsules containing 150 mg diindolylmethane and 30 mg resveratrol were prepared. Treatment of gingivitis in a woman with rheumatoid arthritis by 50 mg DIM twice daily is reported.

IT Anti-inflammatory agents
 Antibacterial agents
 Chewing gum
 Dentifrices
 Human
 Ipomoea batatas
 Macleaya cordata
 Mouthwashes
 Osteoporosis
 Rheumatoid arthritis
 Sambucus
 Sanguinaria
 (diindolylmethane-based compns. and methods of use thereof for promoting oral mucosal and bone health)

IT 50-78-2, Aspirin 53-86-1, Indomethacin 55-56-1, Chlorhexidine 56-03-1, Biguanide 58-27-5, Vitamin K3 59-67-6, Niacin, biological studies 65-45-2, Salicylamide 68-26-8, all-trans-Retinol 73-31-4, Melatonin 77-52-1, Ursolic acid 79-81-2, Retinyl palmitate 80-05-7D, compds., halogenated 83-86-3, Phytic acid 84-26-4, Rutaecarpine 87-17-2, Salicylanilide 87-99-0, Xylitol 103-72-0, Phenyl isothiocyanate 110-89-4D, Piperidine, derivs. 120-46-7, Dibenzoylmethane 120-72-9D, 1H-Indole, derivs. 123-03-5, Cetylpyridinium chloride 127-47-9, Retinyl acetate 141-94-6, Hexetidine 302-79-4, trans-Retinoic acid 331-39-5, Caffeic acid 404-86-4, Capsaicin 446-72-0, Genistein 458-37-7, Curcumin 465-42-9, Capsanthin 471-53-4, Glycyrrhethinic acid 476-66-4, Ellagic acid 478-01-3, Nobiletin 490-46-0, (-)Epicatechin 491-70-3, Luteolin 501-36-0, Resveratrol 518-17-2, Evodiamine 520-26-3, Hesperidin 520-36-5, Apigenin 522-17-8, Deguelin 536-59-4, Perillyl alcohol 538-71-6, Domiphen bromide 541-15-1, L-Carnitine 546-46-3, Zinc citrate 548-04-9, Hypericin 592-88-1, Diallyl sulfide 616-91-1, N-Acetyl-L-Cysteine 644-62-2, Meclofenamic acid 970-74-1, (-)Epigallocatechin 989-51-5, Epigallocatechin gallate 1077-28-7, DL- α -Lipoic acid 1135-24-6, Ferulic acid 1180-71-8, Limonin 1257-08-5 2050-87-5, Diallyl trisulfide 2179-57-9, Allyl disulfide 2447-54-3, Sanguinarine 2785-54-8, Tetradecylpyridinium chloride 3081-61-6, L-Theanine 3380-34-5, Triclosan 3650-09-7, Carnosic acid 3895-92-9, Chelerythrine chloride 4176-97-0, Deoxy-Andrographolide 4346-18-3, Phenylbutyrate 4350-09-8, 5-Hydroxy-L-tryptophan 4468-02-4, Zinc gluconate 4478-93-7, Sulforaphane 4759-48-2 5104-49-4, Flurbiprofen 5300-03-8 5508-58-7, Andrographolide 5989-27-5, D-Limonene 6645-46-1, L-Carnitine hydrochloride 10236-47-2, Naringin 15687-27-1, Ibuprofen 15826-37-6, Cromolyn sodium 18472-51-0, Chlorhexidine digluconate 20283-92-5, Rosmarinic acid 20554-84-1, Parthenolide 22071-15-4, Ketoprofen 22204-53-1, Naproxen 22573-93-9,

Alexidine 22888-70-6, Silibinin 35014-84-7,
 N-Tetradecyl-4-ethylpyridinium chloride 35354-74-6, Honokiol
 36322-90-4, Piroxicam 58186-27-9, Idebenone 58880-19-6, Trichostatin A
 71138-71-1, Octapinol 71251-02-0, Octenidine 71835-85-3 74103-06-3,
 Ketorolac 77029-83-5, Hypocrellin A 79874-76-3, Delmopinol
 104594-70-9, Caffeic acid phenethyl ester 105748-59-2, Brassinin
 123564-61-4, Limonin glucoside 134418-28-3, Dehydro-Andrographolide
 142383-32-2 911217-00-0 911376-76-6, Ebulin 1
 RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL
 (Biological study); USES (Uses)
 (diindolylmethane-based compns. and methods of use thereof for
 promoting oral mucosal and bone health)

=> d 115

L15 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2006:1030441 CAPLUS

DN 145:404148

TI Diindolylmethane-based compositions and methods of use thereof for
 promoting oral mucosal and bone health

IN Zeligs, Michael A.

PA Bioresponse, L.L.C., USA

SO PCT Int. Appl., 96pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2006105196	A2	20061005	WO 2006-US11465	20060328
	WO 2006105196	A3	20070315		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	CA 2603235	A1	20061005	CA 2006-2603235	20060328
	US 20060264497	A1	20061123	US 2006-392840	20060328
	EP 1865929	A2	20071219	EP 2006-739932	20060328
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PRAI	US 2005-666255P	P	20050328		
	US 2006-776122P	P	20060222		
	WO 2006-US11465	W	20060328		
OS	MARPAT 145:404148				

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